

Office of Water Science and Technology Highlights

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Office of Science and
Technology

Office of Water's 2 mandates

■ Clean Water Act

- Criteria / standards to protect human health and aquatic life
- Permits, Total Maximum Daily Loads
- Programs to protect recreational waters, food related uses
- Waste water management
- Oceans and wetlands

■ Safe Drinking Water Act as amended 1996

Most work falls under GPRA goal 2

- Goal 2 – Clean and Safe Water
 - S&T budget FY03 around \$19.7 M
 - Much partnering with other agencies and NGOs
 - e.g. CDC (estimate of waterborne illness in U.S.; required by SDWA 96)
 - e.g. NTP (bioassay of DBPs in transgenic and standard rodents)
 - e.g. AWAARF and WERF
- Water programs benefit from Goal 8 and Goal 3.

Highlight -- IRIS

- Integrated Risk Information System
- OW historically major input
 - Over last 5 yrs, \$250 - \$400 K / yr
- FY02- 03 received \$745 K plus funds for peer review
 - To complete or initiate toxicological reviews for 17 DW contaminants
 - Expand to microbes -- *Cryptosporidium*

S&T isn't all

- Peer Review data base 2002 lists 145 Goal 2 products – e.g.
 - “Rapid Methods for Detection of Non-enteric Pathogens in Recreational Waters”
 - “Acanthamoeba Guidance Document for Contact Lens Wearers”
 - “Ambient Water Quality Criteria for Copper”